



Contents lists available at ScienceDirect

Applied Catalysis B: Environmental

journal homepage: www.elsevier.com/locate/ecoleng



Preface

Following the decision of the International Advisory Board (IAB) of the International Conference on Environmental Catalysis during their meeting in Beijing in 2010, the seventh edition of the International Conference on Environmental Catalysis (ICEC2012) was held in Lyon on September 2-6, 2012.

450 international experts (including 30% students and 8% representatives from 23 different industries), coming from the 5 continents and representing 44 different countries (Algeria, Germany, Saudi Arabia, Argentina, Australia, Austria, Belgium, Bulgaria, Canada, China, Columbia, South Korea, Denmark, Spain, USA, Finland, France, Greece, India, Iran, Ireland, Italy, Japan, Lebanon, Malaysia, Morocco, Mexico, Norway, Pakistan, The Netherlands, Poland, Portugal, Czech Republic, Romania, United Kingdom, Russia, Serbia, Slovenia, Sweden, Switzerland, Taiwan, Thailand, Tunisia, Vietnam), attended the Conference.

The Organizing Committee greatly appreciated the support from all sponsors, especially the Région Rhône Alpes.

The scientific programme was organized along 5 topics (Catalysis for automotive pollution control, Catalysis for air treatment, Catalysis for water treatment, Catalysis for clean energy, Catalysis for green chemistry) and consisted in 3 plenary lectures, 17 keynote lectures, 124 oral communications and more than 280 posters.

Many different emerging and/or rapidly developing issues were discussed all along the Conference, dealing with either NO_x removal out of Diesel engines or ambient air treatment (NO_x, halogenated organic compounds...) using electrocatalysis for example or wastewater treatment and drinking water disinfection or biomass conversion to fuels (biofuels, hydrogen) and chemicals (CO₂ utilization, glycerol, platform

molecules). Both fundamental and applied researches were presented, including presentations on specific tools such as operando characterizations, kinetic studies and molecular modeling. According to the best standards of Applied Catalysis B: Environmental, this Special Issue is a selection of 34 original oral or poster contributions presented at the Conference.

The Guest Editors would like to thank all the Conference participants, the contributors to this Special Issue and the reviewers who clearly helped us to achieve this high quality Special Issue.

Finally, we wish to thank Applied Catalysis B: Environmental for offering the possibility of publishing this Special Issue and helping disseminating the results presented during the Conference and Professor Xenophon Verykios for his full and continuous support.

The Organizing Committee and Guest Editors,

C. Descorme, claude.descorme@ircelyon.univ-lyon1.fr
A. Giroir-Fendler, anne.giroir-fendler@ircelyon.univ-lyon1.fr
N. Guilhaume, nolven.guilhaume@ircelyon.univ-lyon1.fr
M. Pera Titus, marc.pera-titus-ext@solvay.com
P. Vernoux, philippe.vernoux@ircelyon.univ-lyon1.fr

Institut de recherches sur la catalyse et l'environnement de Lyon
(IRCELYON)
UMR 5256 CNRS - Université Claude Bernard Lyon 1
2 avenue Albert Einstein
69626 Villeurbanne Cedex
France